



Overview

mediaNDI is a software application that can support NDI® video gateway to record and play four streams of NDI® in Avid, OP1a, QT, MP4, XDCAM, XDCAM EX, XAVC, FLV, HLS, MPEG-DASH, WebM, MPEG-TS, Matroska, and IMF formats.

Product Highlights

- Baseband Ingest - up to four simultaneous recordings
 - Multicamera recording
 - Loop recording
 - Crash recording
 - Scheduled recording
 - Batch recording
- Gateway for multiple destinations of any storage, NAS or SAN
- Full-featured local and remote user interface
- Multi-configuration metadata management with AI-based auto enhancement
- Flexible file naming engine
- Enable edit while ingest
- Burnt-in options: text, timecode, overlays (images and videos) and LUT

Technical Specifications

Devices / Connectivity	TO PLAY		TO RECORD	
	Input - File	Output - Live	Input - Live	Output - File
OnPrem	Avid Unity™ MediaNetwork Avid ISIS / Nexis FTP Servers (List on request) NAS / SAS (SMB 2.0 and 3.0) Facilis TerraBlock ScaleLogic DDP - Dynamic Drive Pool Quantum StorNext Generic File Shares And many others	NDI	NDI	Avid Unity™ MediaNetwork Avid ISIS / Nexis FTP Servers (List on request) NAS / SAS (SMB 2.0 and 3.0) Facilis TerraBlock ScaleLogic DDP - Dynamic Drive Pool Quantum StorNext Generic File Shares And many others
Cloud				Social Media Sharing Professional Cloud Storages Consumer Cloud Storages OTT

Source	
Timecode	LTC (SMPT 12M)
	Time of Day
	Timecode Gap Detection
Resolutions	PAL / PAL 16:9 / PAL Plus
	NTSC/ NTSC 16:9
	720p 50/60
	1440x1080p 25/30
	1440x1080i 50/60
	1920x1080p 24/25/30 1920x1080i 50/60

Input Formats

Input / Output Formats - HIRES	MODEL
	Software
IMX 30/40/50 Mbps	X
MPEG2 LGOP 18/25/35 Mbps 4:2:0	X
MPEG2 LGOP 50/70 Mbps 4:2:2	X
MPEG2 LGOP 422 50 Mbps	X
MPEG2 LGOP 420 1440x1080 35 Mbps	X
MPEG2 LGOP 420 (FULL) 35 Mbps	X
DVCAM 25 Mbps	X
XAVC Intra 50 / 100 Mbps	X
XAVC Intra 300 / 300 VBR / 480 / 480 VBR Mbps	X
XAVC LGOP 25 / 35 / 50 Mbps	X
XAVC LGOP 60 / 100 / 140 / 150 / 200 Mbps	X
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	X
AVC-Intra 50 / 100 / 200 Mbps	X
AVC Ultra (LGOP 6/12/25/50 Mbps)	X
DNxHD (SQ/HQ/HQX/LB)	X
DNxHR (SQ/HQ/HQX/LB)	X
H.264 2160p 35 - 68 Mbps High Profile	X
H.264 1440p 16 - 24 Mbps High Profile	X
H.264 1080p 8 - 12 Mbps High Profile	X
H.264 720p 5 - 7.5 Mbps High Profile	X
H.264 480p 2.5 - 4 Mbps High Profile	X
H.264 360p 1 - 1.5 Mbps High Profile	X
H.264 2160p 13 - 51 Mbps High Profile (Live)	X
H.264 1440p 6 - 18 Mbps High Profile (Live)	X
H.264 1080p 3 - 9 Mbps High Profile (Live)	X
H.264 720p 1.5 - 6 Mbps High Profile (Live)	X
H.264 480p 0.5 - 2.0 Mbps High Profile (Live)	X
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)	X
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)	X
H.264 L10 10 Mbps	X
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	X
H.265/HEVC 4K 25 / 50 Mbps LGOP	X
H.265/HEVC 8K 25 / 50 / 100 Mbps LGOP	X
ProRes 422 (SQ/HQ/LT)	X
ProRes 4444	X
JPEG 2000 (Full HD/4K/8K)	X
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	X
Uncompressed UYVY 422 / V210 / RGBA	X
AOMedia Video 1 (Full HD/4K/8K)	X
IMF (JPEG 2000 @ Full HD/4K/8K)	X

Proxy Formats

Output Formats - PROXY	MODEL
	Software
H.264 @ 500 Kbps Flash	X
H.264 @ 1 / 1.5 Mbps Flash	X
H.264 720 480p @ 8 / 10 Mbps Flash	X
H.264 720p @ 15 / 20 / 25 Mbps Flash	X
H.264 854 480p @ 8 / 10 Mbps Flash	X
H.264 960 540p @ 3 Mbps Flash	X
H.264 1080p @ 15 / 20 / 25 Mbps Flash	X
H.264 SD @ 4 / 8 / 15 / 20 / 25 Mbps	X
H.264 480p @ 0.5 - 2 Mbps High Profile (Live)	X
H.264 360p @ 0.4 - 1 Mbps High Profile (Live)	X
H.264 240p @ 0.3 - 0.7 Mbps High Profile (Live)	X
ProRes Proxy 1920x1080	X
ProRes Proxy 1280x720	X
ProRes Proxy 960x540	X
ProRes Proxy SD (16:9 Raster)	X
ProRes Proxy SD	X
MPEG-1 (layer 2) @ 1.5 Mbps	X
Avid MPEG-2 (SIF @ 2Mbps)	X
H.263 (Interplay Web)	X
H.264 Interplay Web (800 Kbps and 2 Mbps)	X
Sony Proxy AV (MPEG-4 Part-2) @1.5 Mbps	X

Minimum Hardware Requirements

mediaNDI <<<productSeries>>>	
CPU	i9-9900 or above 2x Intel Xeon Silver 4214 2.2G or above
RAM	4x 8GB
OS Drive	240GB SSD
Network	2x 1Gb
Operating System	Windows 10 (Pro / Enterprise editions) Windows Server 2016 / 2019